

1 CS Reg 151m

DIRECTOR OF CENTRAL INTELLIGENCE  
Intelligence Information Handling Committee  
WASHINGTON, DC 20505

5 NOV 1984

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IHC/MM 84-83  
30 October 1984

Mr. Edward J. Shanahan, Jr.  
Georgia Institute of Technology  
Atlanta, Georgia 30332

Dear Mr. Shanahan:

25X1 On 15 December 1983, Messrs. Milton Lohr (DMA), Robert MacOnie (BDM Corp.), [ ] of my staff and I met with you and several of your colleagues. The purpose of our visit was to gain an understanding of your video disc-based mapping efforts within the MICROFIX project in order to assist us in determining requirements for same and in developing standards for both their production and associated control software. At that time we agreed that we would forward to you for your information and comment any proposed standards which we might develop for the Intelligence Community. Based upon work which we have been doing in support of a DMA project to develop a base map library and the technical requirements specified by DMA in their outstanding RFP, we have prepared a preliminary draft standard and are in the process of distributing it within the Intelligence Community for review and comment. [ ]

25X1 Accordingly, I am transmitting a copy of the latest version of the Draft Guidelines and Standards being prepared by a working group of the IHC subcommittee on Geographic Information Systems. I am also attaching a copy of the portions of the Defense Mapping Agency's request for proposal (RFP), which specifies the areas of the world on which video disc-based maps will be produced and which gives a general idea of the types of maps to be included. [ ]

25X1 As you will note from the draft standards, the specifics of the control software will be detailed by the contractor, when the contract is let. There are two bids which are now being evaluated. We expect a contract to be let shortly and video discs should begin rolling off the production line early in 1985. In addition, the COINS PMO is in the process of letting a contract on behalf of NSA for the production of video discs covering major portions of the USSR. We have been informed that these discs will include all available maps of the USSR at a scale of 1/250,000 and WAC Charts of about 30 selected strategic areas. They will be produced to the same standards as the DMA discs. Production of this series will also begin early next year. [ ]

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You will further note that the required software will be functionally very similar to that of MICROFIX and that the control software interface to the video disc-based maps is being designed so that computer-generated graphics and symbols can be automatically overlaid on displayed video images, based on geographic coordinates. Although the use of geographic coordinates appeared to us to best meet the requirements of the White House and the national intelligence community, we have assumed that, through the use of appropriate conversion algorithms, the discs to be produced under the DMA RFP and in accordance with the proposed standards could be adapted for use in conjunction with UTM based systems such as MICROFIX. We would particularly appreciate any comments or suggestions which you may have concerning this issue, together with any other comments or suggestions which you can provide on any other aspects of the draft guidelines and standards. We will try to keep you informed of future developments on this matter and will forward the final standards to you as they are determined. If you have any questions on this matter, you may contact either [redacted] or me at [redacted]. Please keep us informed of the progress of your project. [redacted]

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Vice Chairman

Attachments: a/s

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25X1 DCI/ICS/IHC, [redacted] (31Oct84)

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